



DISCLOSURE STATEMENT  
(fill in sheets if necessary)  
AUG 06 2001  
PATENT & TRADEMARK OFFICE

SERIAL NO. 09/847,121

FILING 5/2/01

GROUP

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

AUG 6 2001  
Sheet 1 of 5

Docket No. QUIG-1002US

Application Serial No. 09/847,121

Applicant(s): Rosenbloom

Filing Date: 5/2/01

Group Art Unit: 1614

Examiner Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
MB	BA	Roche Vitamins for Cosmetics, pages 1 to 5, September 4, 1985. ✓
	BB	Natural Medicine Online, "Quercetin: A Review of Clinical Applications" by L. Stephen Coles M.D., Ph.D., pages 1 to 5. ✓
MB	BC	Cosmetic Dermatology, December 1991, "Topical Vitamin C May Help Protect Skin from UV Damage" by William F. Dial, pages 34 and 35. ✓
MB	BD	"Ultraviolet Irradiation Injury and Repair" by Bernard Idson, Ph.D., January 1992, pages 78 to 81. ✓
	BE	"Role of Nitric Oxide in Pain" by Jai Pal Singh, Doo Hyam Lee, Asavari Wagle and David Lodge, 2000 Academic Press. ✓
	BF	"The Neuronal NO synthase inhibitor 7-nitro-indazole facilitates the antinociception elicited by the electrical stimulation of the secondary somatosensory cortex in the rat" by Ryotaro Kuroda, Atsufumi Kawabata, Naoyuki Kawao, Wakana Umeda, Hiroko Yoshimura, 2000 Academic Press. ✓
	BG	"Over-the Counter Drug is Treatment for Alzheimer's" by Terri Mitchell and Amber Needham, LE Magazine, November 2000, page 1 to 9. ✓
	BH	"Ascorbate 6-palmitate protects human erythrocytes from oxidative damage", January 1999, PubMed. ✓
	BI	"Analgesic activity of certain flavone derivatives: a structure-activity study", January 1993, PubMed. ✓
	BJ	Medscape Medline Abstract, "The hydroxyl free radical reactions of ascorbyl palmitate as measured in various in vitro models" by Perricone N, Nagy K, Horvath F, Dajko G, Uray I, Zs.-Nagy I, September 1999. ✓
	BK	Medscape Medline Abstract, "Making vitamin C lipophilic enhances its protective effect against free radical induced peroxidation of low density lipoprotein" by Liu ZQ, Ma LP, Liu ZL, September 1998. ✓
	BL	Medscape Medline Abstract, "Novel pharmacological activity of a vitamin (novel pharmacological action of vitamin D)", by Fukuoka M, Ohta T and Kiyoki M, October 1997. ✓
	BM	Medscape Medline Abstract, "A vitamin D(3) derivative (CB1093) induces nerve growth factor and presents neurotrophic deficits in streptozotocin-diabetic rats", by Riaz S, Malcangio M, Tomlinson DR, November 1999. ✓
	BN	Medscape Medline Abstract, "Inhibition of aldose reductase in human erythrocytes by vitamin C", by Vincent TE, Mendiratta S, May JM, January 1999. ✓
	BO	Medscape Medline Abstract, "Vitamin C: an aldose reductase inhibitor that normalizes erythrocyte sorbitol in insulin-dependent diabetes mellitus" by Cunningham JJ, Mearkle PL, Brown RG, August 1994. ✓
MB	BP	Medscape Medline Abstract, "The glucose/insulin system and vitamin C: implications in insulin-dependent diabetes mellitus" by Cunningham JJ, April 1998. ✓

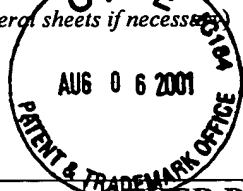
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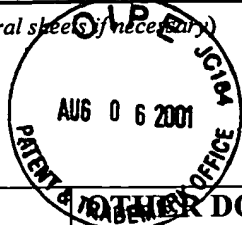
Examiner Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
MB	BQ	Medscape Medline Abstract, "Aldose reductase: a window to the treatment of diabetic complications?" by Crabbe MJ and Goode D, July 1998.
no date	BR	Medscape Medline Abstract "Inhibitory effects of perillosides A and C, and related monoterpene glucosides on aldose reductase and their structure-activity relationships."
MB	BS	Medscape Medline Abstract, "Preventive treatment of diabetic microrangiopathy: blocking the pathogenic mechanisms" by Guillausseau PJ, 1994.
	BT	Medscape Medline Abstract, "Administration of ascorbic acid and an aldose reductase inhibitor (tolrestat) in diabetes: effect on urinary albumin excretion" by McAuliffe AV, Brooks BA, Fisher EJ, Molyneaux LM and Yue DK, November 1998.
	BU	Medscape Medline Abstract, "A commentary on 10 years of aldose reductase inhibition for limited joint mobility in diabetes" by Eaton RP, Sibbitt WL Jr., Shah VO, Dorin RI, Zager PG and Bickell JM, January - February 1998.
	BV	Medscape Medline Abstract, "Structural bases for the inhibition of aldose reductase by phenolic compounds", by Rastelli G, Antolini L, Benvenuti S and Costantino L, May 2000.
	BW	Medscape Medline Abstract, "Diabetes complications and their potential prevention: aldose reductase inhibition and other approaches" by Costantino L, Rastelli G, Vianello P, Cignarella G, Barlocco D, January 1999.
	BX	Medscape Medline Abstract, "Effects of topical aldose reductase inhibitor CT-112 on corneal sensitivity of diabetic rats" by Hosotani H, Ohashi Y, Kinoshita S, Matsumoto T and Awata T, October 1996.
	BY	Medscape Medline Abstract, "Inhibition of aldose reductase by dihydroflavonols in Engelhardtia chrysolepis and effects on other enzymes" by Haraguchi H, Ohmi I, Masuda H, Tamura Y, Mizutani K, Tanaka O and Chou WH, June 1996.
	BZ	Medscape Medline Abstract, "Topical Aldose reductase inhibitor for correcting corneal endothelial changes in diabetic patients" by Ohguro N, Matsuda M, Ohashi Y and Fukuda M, December 1995.
	CA	Medscape Medline Abstract, "Nerve microvessel changes in diabetes are prevented by aldose reductase inhibition" by Benstead TJ and Sangalang VE, August 1995.
MB	CB	Medscape Medline Abstract, "Search for naturally occurring substances to prevent the complications of diabetes. II. Inhibitory effect of coumarin and flavonoid derivatives on bovine lens aldose reductase and rabbit platelet aggregation" by Okada Y, Miyauchi N, Suzuki K, Kobayashi T, Tsutsui C, Mayuzumi K, Nishibe S and Okuyama T, August 1995.

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Sheet 3 of 5



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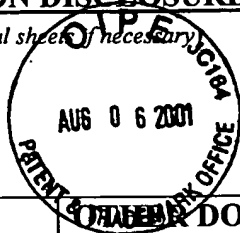
Examiner Initial		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
MB	CD	Medscape Medline Abstract, "1-Benzopyran-4-one antioxidants as aldose reductase inhibitors" by Costantino L, Rastelli G, Gamberini MC, Vinson JA, Bose P, Iannone A, Stafieri M, Antolini L, Del Corso A, Mura U and Albasini A, June 1999.
	CE	Medscape Medline Abstract, "Aldose reductase in the polyol pathway: a potential target for the therapeutic intervention of diabetic complications" by Nishimura-Yabe C, March 1998.
	CF	Medscape Medline Abstract, "Aldose reductase inhibitors and their potential for the treatment of diabetic complications" by Tomlinson DR, Stevens EJ and Diemel LT, August 1994.
	CG	Medscape Medline Abstract, "Aldose reductase inhibitors for the prevention and treatment of diabetic peripheral neuropathy" by Airey M, Bennet C, Nicolucci A and Williams R, 2000.
	CH	Medscape Medline Abstract, "Antioxidant status in patients with uncomplicated insulin-dependent and non-insulin-dependent diabetes mellitus" by Maxwell SR, Thomason H, Sandler D, Leguen C, Baxter MA, Thorpe GH, Jones AF and Barnett AH, June 1997.
	CI	"Effect of Vitamins E and C on Nitric Oxide Production in Oxidized Low Density Lipoprotein Treated Human Aortic Endothelial Cells" by S Himmerich, E. Paulo, R. Humm, G. Rubyanyi and K. Kauser, 2000 Academic Press.
	CJ	"Nitric Oxide Inhibits the Formation of Advanced Glycation End Products" by Kohji Ichimori, Koichi Asahi, Toshio Miyata and Hiroe Nakazawa, 2000 Academic Press.
	CK	Medscape Medline Abstract, "Nitric oxide deficiency, leukocyte activation and resultant ischemia are crucial to the pathogenesis of diabetic retinopathy/neuropathy - preventive potential of antioxidants, essential fatty acids, chromium, ginkgolides, and pentoxifylline" by McCarty MF, May 1998.
	CL	Medscape Medline Abstract, "Diabetic neuropathy" by Boulton AJ and Malik RA, July 1998.
	CM	Medscape Medline Abstract, "Reversal of defective nerve conduction with vitamin E supplementation in type 2 diabetes: a preliminary study" by Tutuncu NB, Bayraktar M and Varli K, November 1998.
	CN	Medscape Medline Abstract, "Diabetic peripheral neuropathy: international guidelines for prevention, diagnosis, and treatment (comment)" by van Dam PS, Valk GD and Bakker K, February 2000.
	CO	Medscape Medline Abstract, "Diabetic neuropathy: pathophysiology and prevention of foot ulcers" by Zangaro GA and Hull MM, March 1999.
MB	CP	Medscape Medline Abstract, "Guidelines for diagnosis and outpatient management of diabetic peripheral neuropathy. European Association for the Study of Diabetes, Neurodiab" by Boulton AJ, November 1998.

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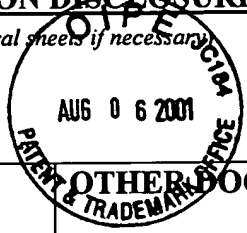
Group Art Unit: 1614

Examiner Initial		REFERENCES DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
MA	CQ	Medscape Medline Abstract, "Pathogenesis of diabetic neuropathy" by Feldman EL, Stevens MJ and Greene DA, 1997.
MB	CR	Medscape Medline Abstract, "Glycochelates and the etiology of diabetic peripheral neuropathy" by Qian M and Eaton JW, February 2000.
MB	CS	Medscape Medline Abstract, "Painful diabetic polyneuropathy: epidemiology, pain description, and quality of life" by Galer BS, Giannas A and Jensen MP, February 2000.
MB	CT	Medscape Medline Abstract, "Beneficial effects of antioxidants in diabetes: possible protection of pancreatic beta-cells against glucose toxicity" by Kaneto H, Kajimoto Y, Miyagawa J, Matsuoka T, Fujitani Y, Umayahara Y, Hanafusa T, Matsuzawa Y, Yamasaki and Hori M, December 1999.
	CU	"Nutrient Intake of 130 Type II Diabetics" by I. Simon-Schnass, Ch. Rosak, H.-I. Tritschler, Dr. Irene Simon-Schnab, Dr. Richard Rosenbloom.
	CV	<del>"Zinc Deficiency-Diabetes Link Explored" by Robert DiSilvestro.</del>
	CW	<del>"Vitamins and Diabetes" by Ronald Chusid, D.O.</del>
MB	CX	"Alternative Therapies for Diabetes" by National Diabetes Information Clearinghouse, May 1999.
MB	CY	PubMed, "Increased risk of non-insulin dependent diabetes mellitus at low plasma vitamin E concentrations: a four year follow up study in men" by Salonen JT, Nyyssonen K, Tuomainen TP, Maenpaa PH, Korpela H, Kaplan GA, Lynch J, Helmrich SP and Salonen R, October 1995.
MB	CZ	PubMed, "Chromium picolinate supplementation for diabetes mellitus" by Fox GN and Sabovic Z, January 1998.
	DA	<del>Nutrition Dynamics Inc., "Glyco Control."</del>
MB	DB	<del>Diabetic Polyneuropathy, "Pathophysiology", Volume 1, 1999, Medscape, Inc.</del>
	DC	<del>Diabetic Polyneuropathy, "Future Therapies", Vol. 1, 1999, Medscape, Inc.</del>
	DD	<del>Diabetic Polyneuropathy, "Neurologic Examination", Volume 1, 1999, Medscape, Inc.</del>
MB	DE	<del>Diabetic Polyneuropathy, "Symptom History", Vol. 1, 1999, Medscape, Inc.</del>
	DF	<del>"Structural Aspects of Antioxidant Activity of Flavonoids", by van Acker et al., pgs. 245, 248, 249 and 251.</del>
	DG	<del>Naturesrain, "Our Products work by returning you skin to it's natural state, Here's How...Restore Normal NaPCA levels"</del>
	DH	<del>Quercetin, "Protect your Health With This Important Flavonoid", by Dr. David G. Williams, ImmuneSupport.com</del>
MB	DI	Roche, Certificate of Analysis for D-Panthenol, by C. Conduit, November 10, 1999.
MB	DJ	Roche, Certificate of Analysis for di-Alpha Tocopheryl Acetate, by Karen Moll, March 3, 2000.

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**Docket No. QUIG-1002US****Application Serial No. 09/847,121****Applicant(s): Rosenbloom****Filing Date: 5/2/01****Group Art Unit: 1614****Sheet 5 of 5****OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial		
ms	DK	Roche, Certificate of Analysis for vitamin A Palmitate, by Dr. R. Schwetzler, May 2, 2000
ms	DL	Roche, Certificate of Analysis for Ascorbyl Palmitate, by Dr. K. Deutschman, November 12, 1999
	DM	Healthnotes, "Diabetes", pages 1-14, parts 1-3
	DN	Healthnotes, "Quercetin", pages 1-3,
ms	DO	Co-pending application U.S.S.N. 09/740,811, filed December 21, 2000, Rosenbloom.

*Ms* *LD*  
*1/2/20/01*